

S P Shrivastava

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -2 EXAMINATION- APR 2016
B.Tech(ECE/CSE/IT/BI) VII Semester

COURSE CODE: 11B1WCI836

MAX. MARKS: 25

COURSE NAME: Network Management

MAX. TIME: 90Min

COURSE CREDITS: 3

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q.1. [5 Marks. Each part is half mark]

- a) Define the term traffic for data communication network.
- b) What is textual convention? Give an example.
- c) Define network utilisation.
- d) List enhancements in SNMPv2 over SNMPv1.
- e) Write formula for packet delay and explain its behavior.
- f) What is an INFORM request?
- g) Define network capacity.
- h) Explain Row Status.
- i) Explain offered traffic in telecommunication network.
- j) Define community and community profile based access policy.

Q.2. [5 marks] Describe the organization model of SNMPv1. How does it comply with OSI?

Q.3. [5 marks] Draw the SNMPv2 message protocol and architecture. Explain each item of the message protocol.

Q.4. [5 marks] What is modularization of architecture? Explain in details the user based security module of SNMPv3.

Q.5. [5 marks] What are functions and benefits of RMON? Explain the SNMP RMON-1 and RMON-2 framework.